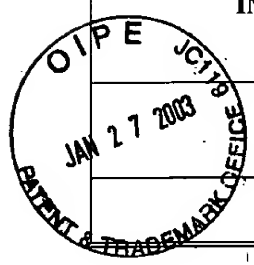


RECEIVED



FORM PTO-1449	Docket No. GZ 2065.23	Appl. No. 09/909,778
INFORMATION DISCLOSURE STATEMENT		
(use several sheets if necessary)	Applicant(s) Susan Schiavi, et al.	
	Filing Date: July 19, 2001	Group Art Unit: 1635

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	TRANSLAT'N	
							yes	no
<i>[Signature]</i>	1.	22 Mar. 2001	WO 01/19855	American Home Prod.				

OTHER DOCUMENTS

<i>[Signature]</i>	2.	Cai Qiang, et al., "Brief Report: Inhibition of Renal Phosphate Transport By a Tumor Product in a Patient with Oncogenic Osteomalacia" (1994) New England Journal of Medicine Vol. 330: 1645-1649
<i>[Signature]</i>	3.	Kumar R., "Phosphatonin-a new phosphaturic hormone? (Lessons from tumor-induced osteomalacia and X-linked hypophosphataemia)" (1997) Nephrology Dialysis Transplant Vol. 12: 11-13

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>3/17/03</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant(s).	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	09/909,775
--------------------	------------

Filing Date	July 19 2001
--------------------	---------------------

First Named Inventor	Susan Schiavi
-----------------------------	----------------------

Art Unit	1646 1635
----------	-----------

Examiner Name	Not Yet Assigned <i>G. h. k.</i>
---------------	----------------------------------

Attorney Docket Number	GZ 2065.23
------------------------	------------

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code ² (if known)			
<i>JP</i>	1	US-5,695,937	12/09/97	Kenneth W. Kinzler et al.	
		US-			RECEIVED MAY 03 2002
		US-			
		US-			
		US-			
		US-			
		US-			TECH CENTER 1600/29

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner's
Signature**

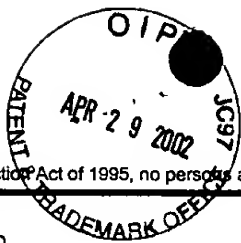
Date
Considered

3/17/03

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, D.C. 20231.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

+

Substitute for form 1449B-PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/909,775
Filing Date	July 19, 2001
First Named Inventor	Susan Schiavi
Art Unit	1646 1635
Examiner Name	Not Yet Assigned Gribbo
Attorney Docket Number	GZ 2065.23

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published
JS	1	HILLIER, L. et al. "Generation and Analysis of 280,000 Human Expressed Sequence Tags" (1997) <i>Genome Res.</i> , Vol. 6, pp. 807-828
	2	HOANG, B. et al. "Primary Structure and Tissue Distribution of FRZB, a Novel Protein Related to <i>Drosophila</i> Frizzled, Suggest a Role in Skeletal Morphogenesis" (1996) <i>J. Biol. Chem.</i> , Vol. 271, No. 42, pp. 26131-26137
	3	HUGHES, S. et al. "Shared Phenotypic Expression of Osteoblasts and Chondrocytes in Fracture Callus" (1995) <i>J. Bone Miner. Res.</i> , Vol. 10, No. 4, pp. 533-544
	4	KUMAR, R. "Phosphatonin – a new phosphaturic hormone? (Lessons from Tumour-induced osteomalacia and X-linked hypophosphataemia)" (1997) <i>Nephrol. Dial. Transplant</i> , Vol. 12, pp. 11-13.
	5	LEYNS, L. et al. "Frzb-1 Is a Secreted Antagonist of Wnt Signaling Expressed in the Spemann Organizer" (1997) <i>Cell</i> , Vol. 88, pp. 747-756
	6	MOON, R. et al. "Structurally Related Receptors and Antagonists Compete for Secreted Wnt Ligands" (1997) <i>Cell</i> , Vol. 88, pp. 725-728
	7	RATTNER, A. et al. "A family of secreted proteins contains homology to the cysteine-rich ligand-binding domain of frizzled receptors" (1997) <i>PNAS</i> , Vol. 94, pp. 2859-2863
	8	ROWE, P. "Molecular biology of hypophosphataemic rickets and oncogenic osteomalacia" (1994) <i>Hum. Genet.</i> , Vol. 94, pp. 457-467.
	9	ROWE, P. "The PEXGene: Its Role in X-Linked Rickets, Osteomalacia, and Bone Mineral Metabolism" (1997) <i>Exp. Nephrol</i> , Vol. 5, pp. 355-363.
	10	STONE, D. et al. "The tumour-suppressor gene patched encodes a candidate receptor for Sonic hedgehog" (1996) <i>Science</i> , Vol. 384, pp. 129-134
	11	VELCULESCU, V. et al. "Serial Analysis of Gene Expression" (1995) <i>Science</i> , Vol. 270, pp. 484-487
	12	VORTKAMP, A. et al. "Regulation of Rate of Cartilage Differentiation by Indian Hedgehog and PTH-Related Protein" (1996) <i>Science</i> , Vol. 273, pp. 613-622
JS	13	WANG, S. et al. "Frzb, a Secreted Protein Expressed in the Spemann Organizer, Binds and Inhibits Wnt-8" (1997) <i>Cell</i> , Vol. 88, pp. 757-766
	14	
	15	
	16	
	17	

RECEIVED

MAY 03 2002

Examiner's
SignatureDate
Considered

3/18/03

TECH CENTER 1600/2900

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

+ Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.